



ИНСТРУКЦИЯ ПО ЭКСПЛУАТАЦИИ

Dragon Effects IS120-MH



Thank you very much for choosing our product. For safety purpose, please read this manual carefully before your operation. This manual included installation and using information. Please install and operate it according to this manual.

1. Technology Reference

- 1) Voltage: 100-240V,50-60Hz
- 2) Power consumption: 180W
- 3) LED: ultra bright 120W LED
- 4) Color wheel: 8 colors + white, spilt colors, rainbow effect
Gobo wheel 1: 7 static gobos + white, rainbow effect, gobo shake
Dimmer/Strobe: Dimmer, 1-20t/s
- 5) Focus: Electronic Focus
- 6) Pan::540° Tilt: 270
- 7) Control: DMX 512, 16 CHs
- 8) Working mode: Stand-alone mode, Controller mode, Master/Slave synchronization mode
- 9) Other function: Pan/Tilt speed adjustable
Housing: High temperature resistant engineering plastic + aluminum alloy.
- 10) Weight: 8.9KG
- 11) Product Size: 240*245*360mm
- 12) Packing Size: 350*340*340mm

Accessories

The accessories below were packed with product, please check if they are once open the package.

Power cable: 1PCS

User manual: 1 PCS

Clamp (Optional): 2PCS

Warning!!!

Please check whether the light with damage by shipment once open the package before operation. If product with damage by shipment, please do not operate the light then contact the dealer or supplier.

This product is designed for Indoor use, the IP rate is IP20. Keep the product in dry environment. Avoid in damp, overheating, or much dusty environment. Prevent fixture in contact with the water and other liquids.

Please do not install the fixture on the surface of combustible substances.

Qualified professionals can install, operate and maintain the fixture, and to make sure strictly in accordance with the procedures described in this operating instructions.

The fixture should be installed in a well ventilated place, and the distance from the wall to keep above 10 cm, at the same time, please check the fan and the vent is unimpeded.

Do not use the fixture is directly projected on combustible objects, the distance between the fixture and light objects please keep over 1 meter. Don't look straight into the light source of the fixture (especially for epilepsy patients), so as not to cause damage to the eyes!
Please do not open and fix the fixture by yourself.

For electrical parts connected person must have the corresponding qualifications before operate.

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Before installation, please make sure the power supply voltage you used and the voltage of fixture is identified.

Every fixture should be properly grounded and in accordance with the relevant standard for electrical installation.

Don't dispatch the fixture connected to any other dimming device.

Do not use insulating layer with damage for the power cord, and don't take the power cord overlap on the other wire. When not use or to clean the fixture, please unplug the power cord. Don't unplug the plug rudely or drag the power cord directly.

Keep the bulb clean, do not contact with the glass bulb by hand directly.

Equipped with insurance rope connecting hole at the bottom of the fixture, for security, please use safety cable to hang the fixture.

There is no any parts for repair inside the fixture. Before starting operation of the fixture, please check whether all the cover plate (or housing) has been installed well, whether the screw has been tighten .

Prohibit use the fixture when the cover plate or housing is opened.

If you have any questions or Suggestions, please contact with dealers or supplier

Important: before any installation, maintenance and clean the fixture, please confirm the power supply is cut off!

Power supply connection

The power cord connection as follows:

L = (live wire) brown wire

E (ground) = yellow/green double color line

N =(middle line) blue line

Connecting power supply, please pay attention to the power supply voltage and frequency should be marked on the voltage and frequency of fixture.

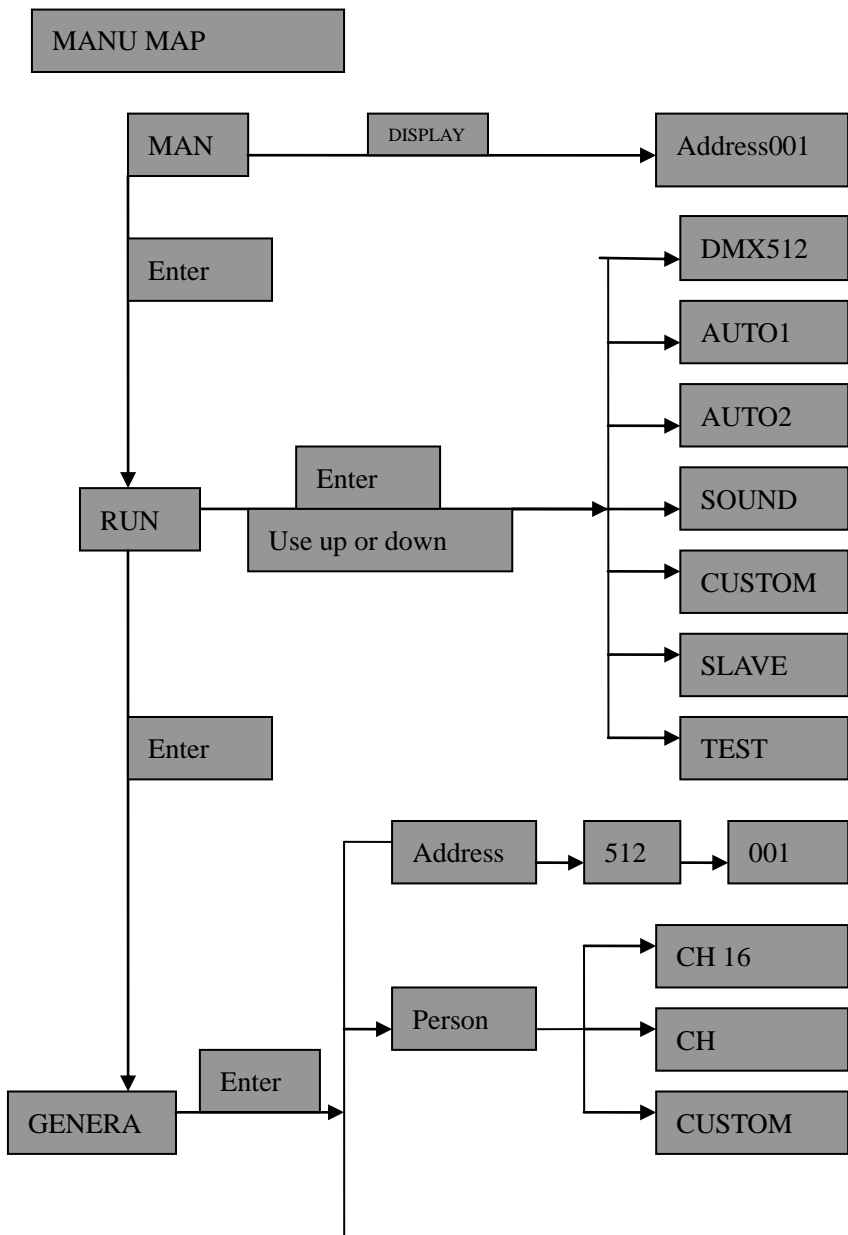
When more than one moving head light used at the same time, it is recommended that the power of the fixture, respectively connection, this can control the fixture ON/OFF separately.

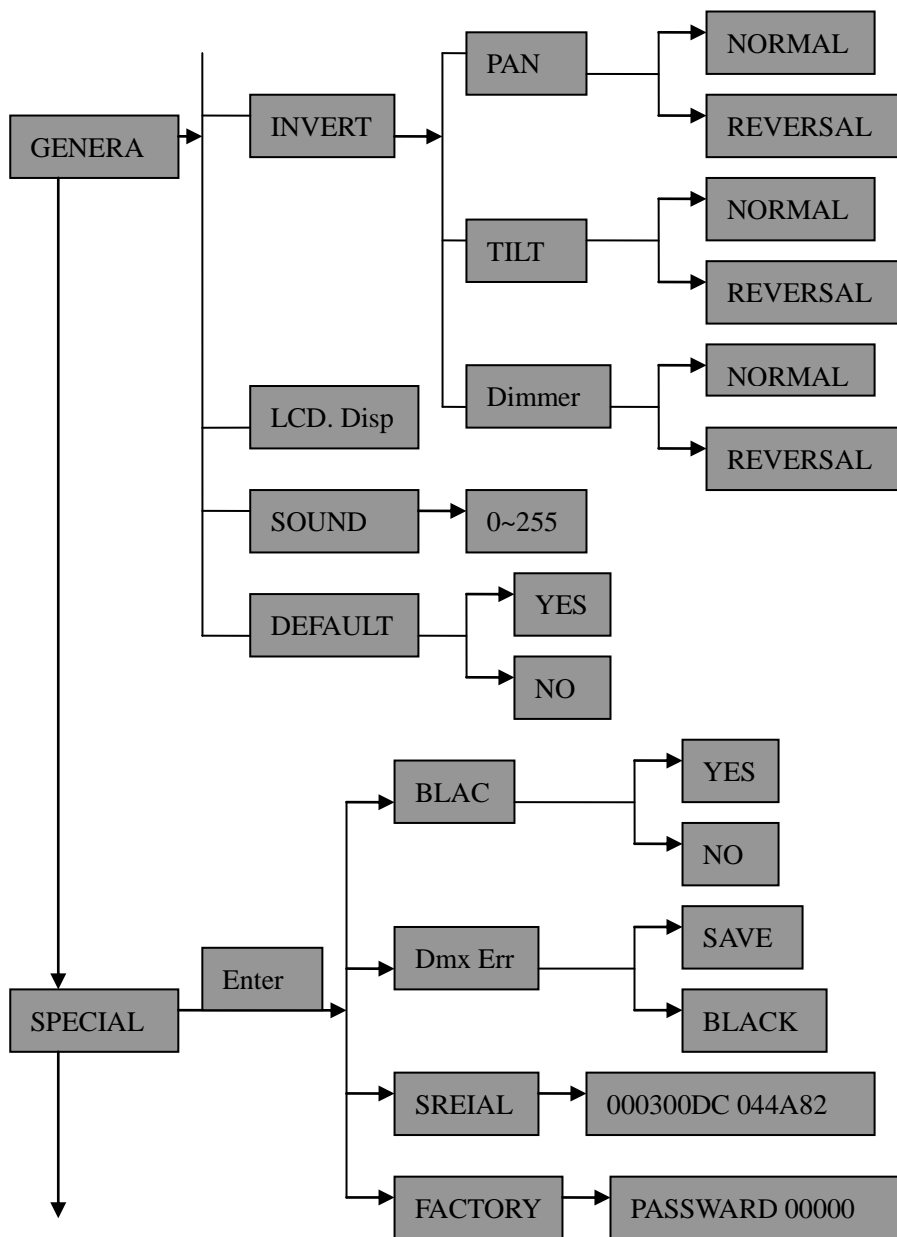
Important: Connect to the power supply, the ground (yellow/green line) should be safety grounding, electrical installation shall comply with all relevant standards

2. Function Setting (LED display instruction)

Mode 1: A001 is factory default setting. In this mode receive DMX512 signal control. Press ENTER to set ID address. Use UP or DOWN to change the value of ID address, then press ENTER to save.







3. DMX CHANNEL CONTROL

There are two modes to get DMX 512 signal for this fixture, the one is 16 CHs and the other. Please find the details as follow:

Basic Mode(16-channel)

Channel	Function	Value	Description
1CH	Pan	0-255	
2CH	Pan Fine	0-255	
3CH	Tilt	0-255	
4CH	Tilt Fine	0-255	
5CH	Pan/Tilt speed	0-255	Decreasing speed
6CH	Dimmer	0-255	Dimmer 0-100%
7CH	Strobe	0-5	No function
		6-249	Strobe effect slow to fast
		250-255	No function
8CH	Colour	0-19	Open/White
		30-39	dark blue
		50-59	orange
		70-79	light green
		90-99	light blue
		110-119	red
		130-139	green
		150-159	pink
		170-179	yellow
		180-219	Forwards rainbow effect from fast to slow
		220-255	Backwards rainbow effect from slow to fast

9CH	Colour Offset	0-255	0-100% step by 1/256
10CH	Focus	0-255	Near to far
11CH	Gobo	0-19	Open
		20-39	Gobo1
		40-59	Gobo2
		60-79	Gobo3
		80-99	Gobo4
		100-199	Gobo5
		120-139	Gobo6
		140-159	Gobo7
		160-199	Forwards gobo rotation from fast to slow
		200-255	Backwards gobo rotation from slow to fast
12CH	Gobo Shake	0-255	Slow to Fast
13CH	Gobo Rot.	0-19	Gobo rotation stop
		20-137	Forwards gobo rotation from fast to slow
		138-255	Backwards gobo rotation from slow to fast
14CH	Prism	0-127	off
		128-255	open
15CH	Prism .rot	0-1	off
		2-127	Forwards rotation from fast to slow

		128-255	Backwards rotation from slow to fast
16CH	Control	200-239	Reset

4. Maintenance

When the lens have fracture and other damage, it should be replaced in time. when the fixture can't start to run, please check if the fuse of power supply is burnout, if it is burnout please install the fitted corresponding specification fuse with 5 x20 T2A / 250 v. 5 mmx20mm). Note it must use the same specifications fuse. The is installed with overheating protection device, when it is overheat, the overheating protection device will automatically cut off power supply. Please check whether the fan running, whether the fan and fan nets have dust jam, find troubleshooting before working. But note that a qualified technicians can do the repair work.

In order to maintain the gobo wheel smooth rotation and smooth movement, it is suggested to add grease for the rotation gobo wheel every two months. Should use good quality grease.

In order to ensure the fixture working well, maintain the cleanness of fixture is very necessary. It should be clean once every 30 days after cooling the fans. Internal and external optical lens, reflector and coating color filter cleaning must be carried out periodically to optimize the output light efficiency. Do not use any contains chemical solvent cleaning coating color filter

Cleaning the fixture depending on the operating frequency of fixture and the surrounding environment. Clean with a soft cloth and cleaning products for glass, suggest to clean the external optical system at least once every 30 days , clean the internal optical system at least once every 30/60 days.

Please do not use alcohol and other organic solvents to wipe housing, lest cause damage.

5. General troubleshooting

Phenomenon	Solution
Fixture can not start to work	1. Check if the power fuse burnout
Fixture light normally, but no responding to the DMX controller	1. Check if the DMX start address is correct 2. Check if the XLR signal cable was damaged
Fixture work intermittently	Check if the fan work well, Whether dust blocked fan and fan nets
Dark light, brightness decreases obviously	1. Check whether the internal and external optical system clean
Beam is not pure (have a halo)	Clean the dust and oil of bulb, lens and other parts
The beam distortion serious	1. Check whether the lens is broken 2. Clean the dust or oil of lens